Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/06/2018 10:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123880	-1	1.34	123932	1.33
Blue	F	SSC	125000	123801	-1	2.97	124554	2.99
Blue	E	FITC	15492	15091	-3	3.46	351	21.92
Blue	D	PE	28736	28320	-2	2.57	622	16.35
Blue	B	PerCP-Cy5-5	41413	41281	-1	4.62	1143	23.16
Blue	A	PE-Cy7	31321	31774	1	7.92	586	47.49
Red	C	APC	41673	41084	-2	2.87	1581	13.25
Red	A	APC-Cy7	29962	29840	-1	3.99	768	14.33
Violet	B	V450	8318	7977	-5	4.46	443	14.68
Violet	A	V500	34199	32996	-4	4.26	793	11.28

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20314	3.37	606	-7	N/A	N/A	Pass
Blue	F	SSC	56231	2.20	575	7	N/A	N/A	Pass
Blue	E	FITC	57	74.13	556	-5	0.0157	160	Pass
Blue	D	PE	123	58.57	556	-4	0.1340	309	Pass
Blue	B	PerCP-Cy5-5	210	55.87	664	-3	0.0071	38	Pass
Blue	A	PE-Cy7	117	119.38	722	0	0.0092	36	Pass
Red	C	APC	361	28.95	603	2	0.0199	184	Pass
Red	A	APC-Cy7	191	32.11	580	4	0.0045	1330	Pass
Violet	B	V450	65	69.19	475	-2	0.0399	2000	Pass
Violet	A	V500	111	39.25	492	-2	0.0198	1036	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.79	-32.03	1.10
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.53
Red	16.14	13.60 - 20.40	N/A	N/A	28.92	29.69	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10300

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments